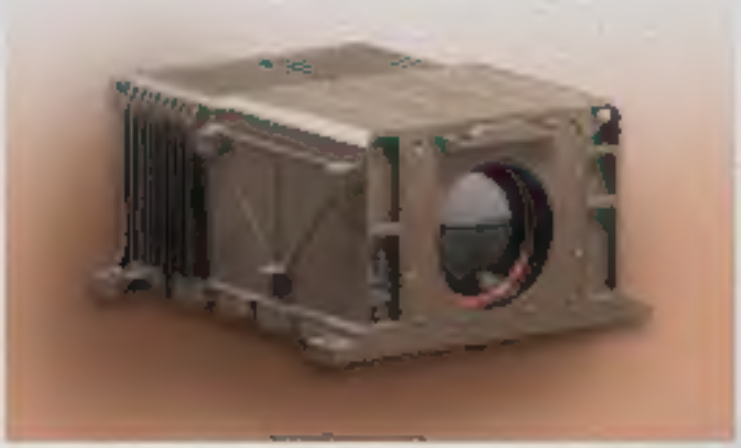
ARTIM

Ruggedized Compact Thermal Imaging Sensor

ARTIM is a ruggedized dual FOV remotely controlled thermal imaging sensor. ARTIM is designed as an upgrade (add on) for existing weapon systems

Main Features

- Advanced detector technology
- Excellent picture quality
- Compact and ruggedized construction to meet tracked vehicles environmental conditions
- Integral detector and closed cycle cooler
- Advanced, proprietary image processing ASIC
- Flexible customer defined mechanical, electronics and control interfaces



Applications

Night sight for

- Tanks & Armoured Fighting Vehicles, Fire Control Systems
- Air Defense Systems
- Naval/Coastal Mast Mounted Applications
- Surveillance Systems

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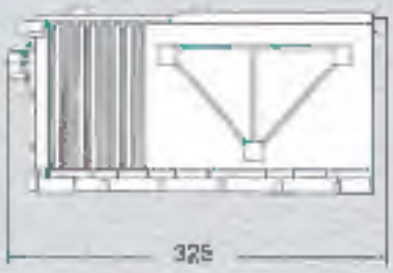
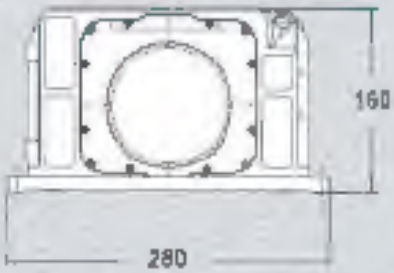
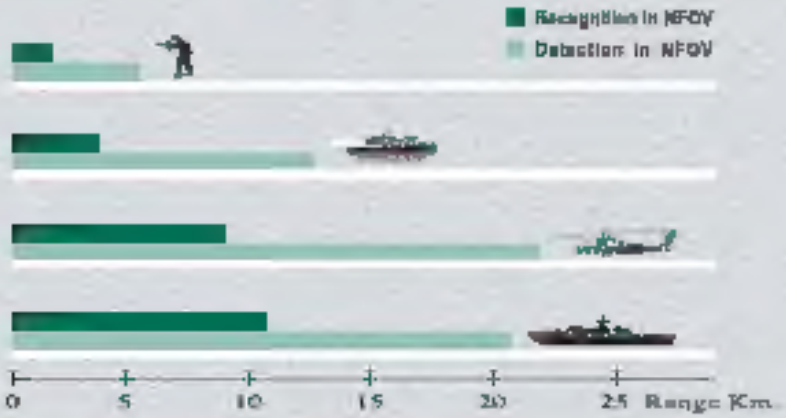
Technical Data

Spectral Band	8 –12 µm
Entrance Aperture	89 mm
Fields of View	
• Wide	11.5° x 7.4°
• Narrow	3.3° x 2.2°
Detector	Linear Array MCT-PV with on-chip pre-processing
Cooler	Closed cycle, integral with dewar
Video Standard	CCIR (RS170 optional)
Power Requirements	16-32 VDC, 35 W, complies with MIL-STD-1275
Temperature Range	
• Operating	-30°C to 55°C
• Storage	-35°C to 71°C
Environmental Conditions	As per MIL-STD-810
Weight	< 9 kg
MTBF	> 2000 hours
Options:	a. Add on Extended Range Lens (ERL) (ARTIM-AD version) b. Gunner's/Commander's display and control unit(s).





Range Performance



Note: Parameters may be altered to comply with customer specifications.
ELOP – ELECTROPTICS INDUSTRIES LTD. reserves the right to make such alterations in design, dimensions, specifications, and manufacture as are deemed necessary to ensure continuous improvement.

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